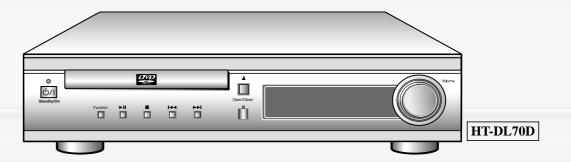


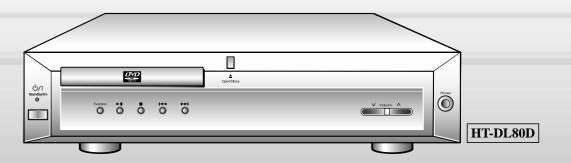
DIGITAL HOME THEATER SYSTEM

HT-DL70D HT-DL80D

Instruction Manual



















CLASS 1 LASER PRODUCT KLASSE 1 LASER PRODUKT LUOKAN 1 LASER LAITE KLASS 1 LASER APPARAT PRODUCTO LASER CLASE 1



CAUTION

RISK OF ELECTRIC SHOCK. DO NOT OPEN





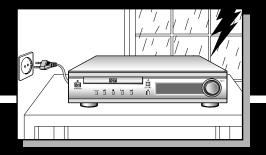
CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE REAR COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

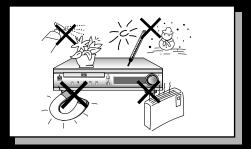


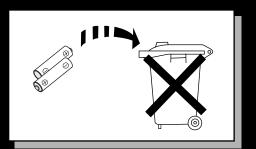
CLASS 1 LASER PRODUCT

This Compact Disc player is classified as a CLASS 1 LASER product.













DVD (Digital Versatile Disc) offers fantastic audio and video, thanks to Dolby Digital surround sound and MPEG-2 video compression technology. Now you can enjoy these realistic effects in the horseif you were in a incorporate or concert hall

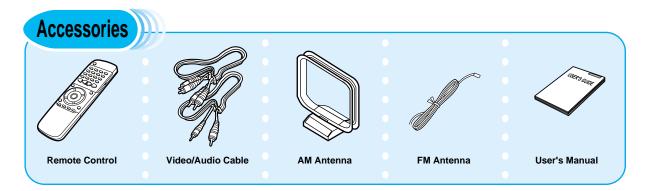
DVD players and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes do not match, the disc will not play. The Region Number for this player is given on the rear panel of the player. (Your DVD player will only play DVDs that are labeled with identical region codes.)

Do not use the following types of disc!

- LD, CDG, CD-I, CD-ROM and DVD-ROM cannot be played on this player. If such discs are played, a "WRONG DISC FORMAT" message appears on the TV screen.
- DVD discs purchased abroad may not play on this player. If such discs are played, a "WRONG REGION CODE" message appears on the TV screen.

Copy Protection

- Many DVD discs are encoded with copy protection. Because of this, you should only connect your DVD player directly to your TV, not to a VCR. Connecting to a VCR results in a distorted picture from copy-protected DVD discs.
- This product incorporates copyright protection technology that is protected by methods claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.





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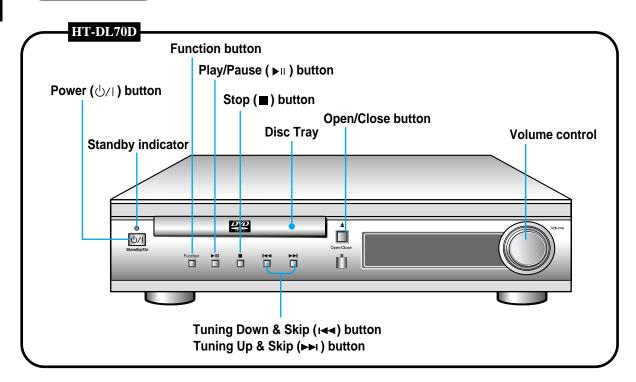
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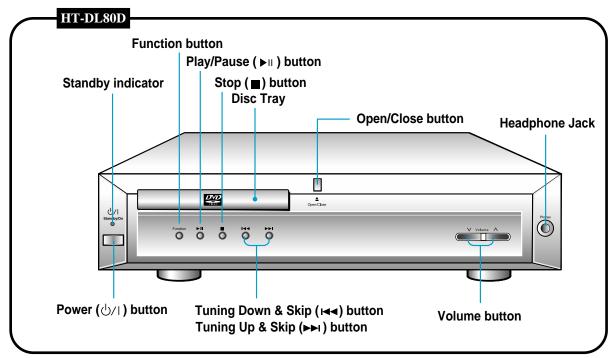




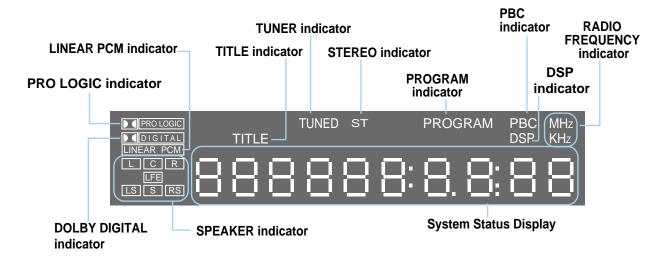
Description

Front Panel



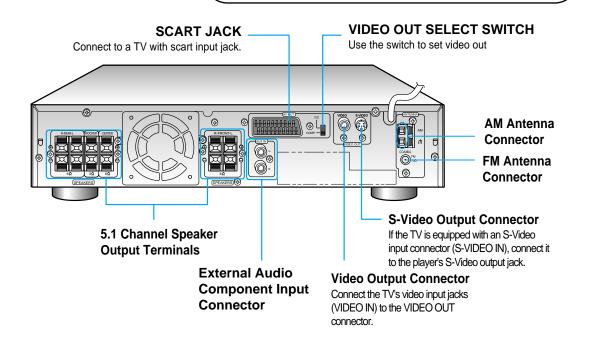






Rear Panel

For using the SCART cable • If S-Video (Y/C-separation) is equipped for your TV, set Y/C-COMP. selector of the center unit to Y/C. You can get a better picture quality by using S-Video (Y/C-separation) setting. • If S-Video (Y/C-separation) is not equipped for your TV, set Y/C-COMP. selector to COMP.









(GB)

Right frc



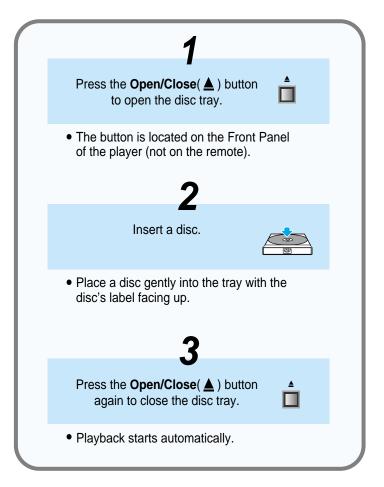




- The "WAIT" message that appears on the display for about seven to eight seconds when turning on the power or selecting a DVD function indicates a stabilization period for optimizing the condition of your DVD player. While the message is being displayed, other buttons remain inactive.
- When the power is not turned on, press down the Stop (■) button on the main unit for over 5 seconds.
 - The product will be initialized to its optimum state.
- Certain operational features such as the Speaker mode, Test tone, Volume, etc. will not be displayed on the TV screen.

DVD Playback





Pausing Playback



Press the Play/Pause (▶ ||) button during playback.

• To resume, press the Play/Pause (▶II) button again.



- Depending on the disc, the initial disc information screen may look different from disc to disc.
- When playing a DVD containing MPEG format, video may not be reproduced correctly and you may get picture distortion.

Stopping Playback



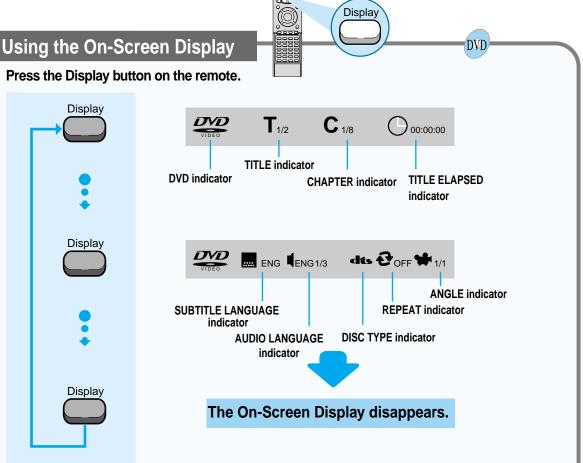
Press the Stop () button during playback.

 During playback, when the Stop (■) button is pressed, the position is stored in the memory, and ▶■ STOP is shown on the display.

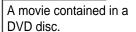
When the Play/Pause (►II) button or Return button is pressed subsequently, playback resumes from the position at which it was stopped.

• If the Stop (■) button is pressed a second time, the 'resume play' memory function is canceled, and STOP is shown on the display. When the Play/Pause (▶II)button is pressed, playback starts from the beginning.

Display Display



What is a Title?



What is a Chapter?

Each Title on a DVD disc is divided into several smaller sections called "chapters".

Turning the sound off temporarily?



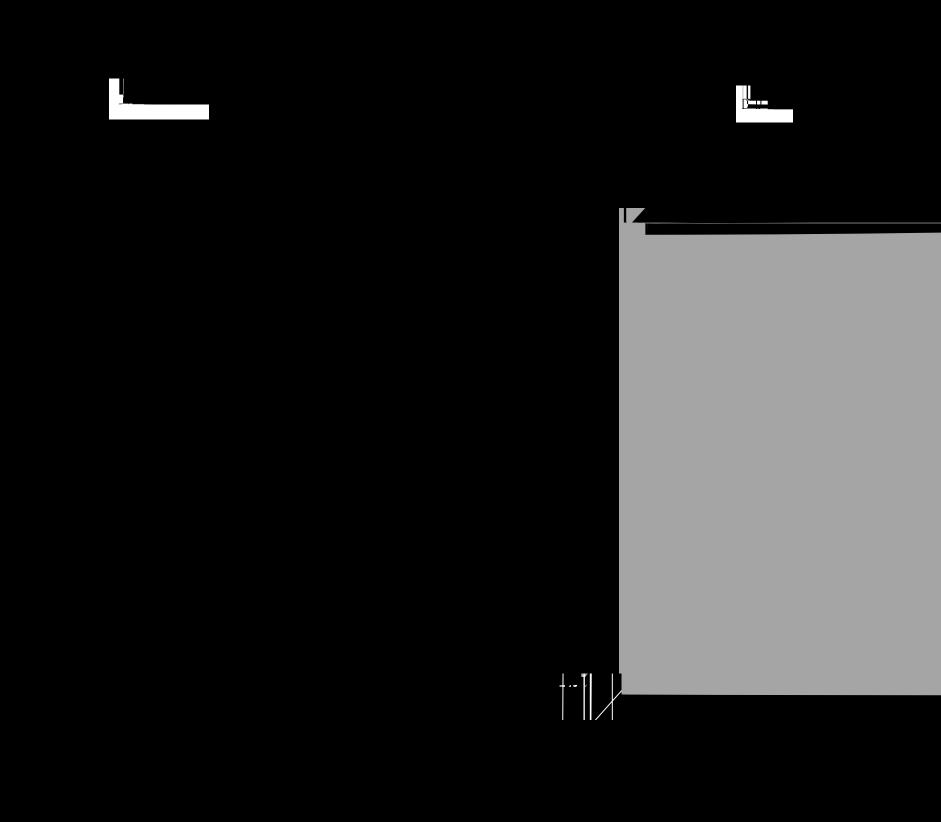
(GB)

Press the Mute button during playback.

• This operation may be useful when you need to greet guests or answer the telephone.

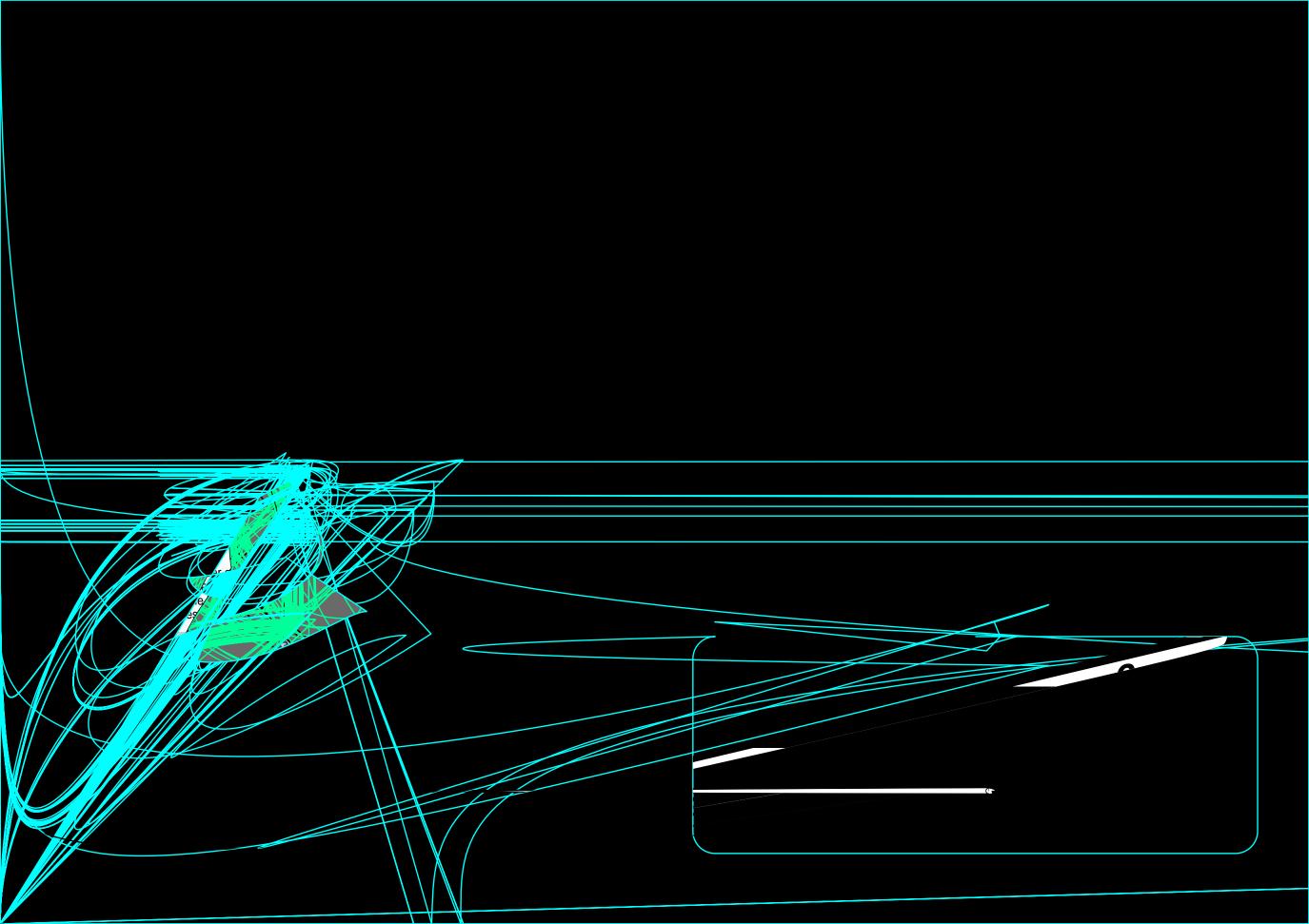


If the player is left for more than 3 minutes in pause mode, it will stop.









This system has a built-in MP3 decoder. You can play back MP3 tracks (files)recorded on CD-Rs, CD-RWs, and CD-ROMs.

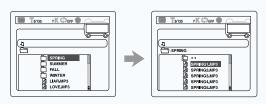
Starting Playback

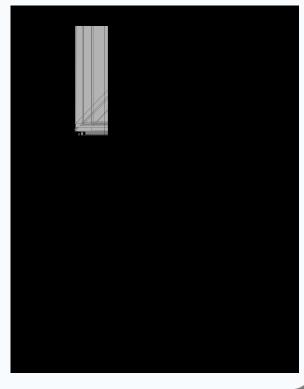
• It is recommended you turn on your TV when playing back an MP3 disc.

Press the **Open/Close**(**▲**) button to load a disc.

Press the **Play/Pause**(►II) button.

- After detecting the disc, playback starts.The on-screen bar and the contents recorded on the MP3 disc will be shown on the TV if it is turned on.







- -

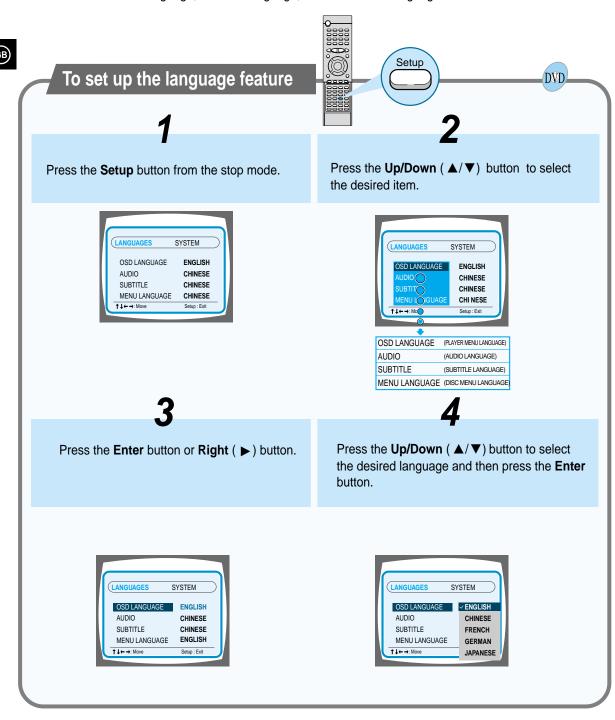
∢ ▶

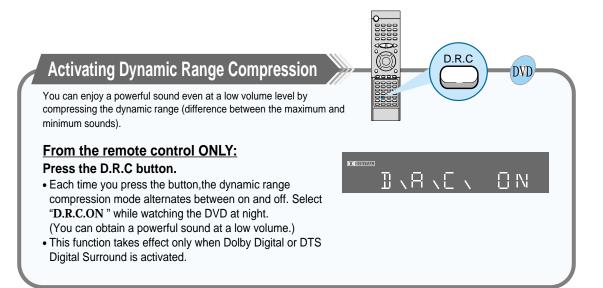
P **E** b

Setting up the Language Features

Using the DVD player's Setup function, you can customize the Menu Language, Subtitle Language, and Disc Menu Language.



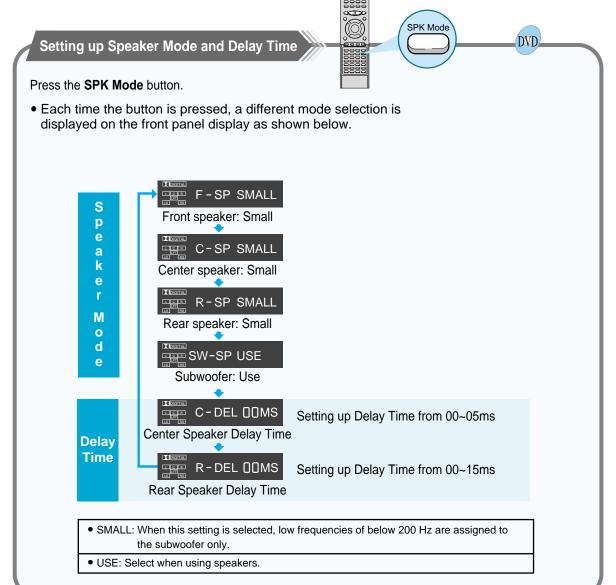




To End the Language Features Setup



• Press the **Setup** button again.





- The display changes depending on the current audio output mode (DSP, PRO LOGIC, 3-STEREO, STEREO, etc.).
- When in the speaker mode, the center and rear speakers and the subwoofer cannot be selected.

To set the delay time

- When 5.1 Channel Surround Sound is played, you can enjoy the best sound if the distance between you and each speaker is the same. You can set Delay Time in the Center/Rear Speaker to customize the sound to the acoustics of your room.
- Setting Center Speaker
 If the distance of Dc is equal to or longer than the distance of Df in the figure, set the mode as 0ms.
 Otherwise, change the setting according to the table on the table.
- Setting Rear Speakers
 If the distance of Df is equal to the distance of Ds in the figure, set the mode as 0ms.

 Otherwise, change the setting according to the table.

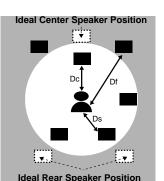
(A)=Df-Dc

Distance of (A)	Value
50	1.3ms
100	2.6ms
150	3.9ms
200	5.3ms

(B)=Df-Ds

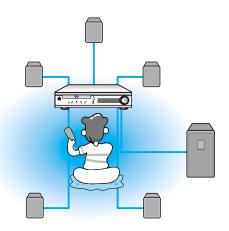
• •				
Distance of (B)	Value			
200	5.3ms			
400	10.6ms			
600	15.9ms			

- Dc: Distance from center speaker to listening position
- Df: Distance from front speakers to listening position
- Ds: Distance from rear speakers to listening position



Arrange all speakers within a circle as shown in the figure.

Speaker Setting Methods



Front Speakers) • • •

Set the front speakers so that their tweeters (high-range) are aligned at about ear level and at a horizontal angle of 45° to the prime listening position.

Center Speaker) • • •

Ideally the center speaker should be positioned with its top surface flush with the front speakers. However, you may place the speaker either on top or near the bottom of your TV set.

Rear Speakers) • • •

Set the rear speakers further back, parallel to the walls, at 60 to 90 centimeters (2 to 3 feet) above prime listening position ear level.

If the space behind the listening position is insufficient (i.e., too close to the wall), place the rear speakers facing each other on either side.

Subwoofer Speaker) • • •

Place the subwoofer at any convenient location within the vicinity of the listening position.





Speaker Setting Methods

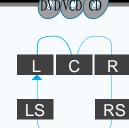
Press the Test Tone button.











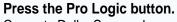
• The test signal will be sent to the Left Front, Center, Right Front, Right Rear, Left Rear in that order.

To End the Speaker Setup

• Press the **Test Tone** button again.



Selecting Dolby Pro Logic



Converts Dolby Surround encoded 2-channel sound (e.g., program material received by Stereo VCR could be Dolby Surround encoded 2-channel material that can be decoded into 4-channel sound using the Dolby Pro Logic mode). Pro Logic mode can also be enjoyed when in DVD mode or when playing Dolby Digital or PCM material that is Dolby Surround encoded.

Press the Function Selection button to select the desired function.

• Select from FM, AM, DVD and AUX IN.

Press the **Pro Logic** button.

• Each time the Pro Logic button is pressed



PRO LOGIC: Left, Center, Right, Subwoofer and **Surround Channel**



3-STEREO: Left, Center, Right and Subwoofer Channel



STEREO: Left, Right and Subwoofer Channel





Presetting stations

You can store up to:

- 8 MW stations

• FMFrequency Modulation • AM(MW) Medium Wave

(GB)



Example: Presetting FM 89.1 in the memory Use the ◀◀ and ▶▶ Press the **Tuner(Band)** button Select MANUAL by pressing button to tune to 89.1 the **Stop** (■) button on the and select the FM band. main unit. The selection toggles back and forth between "→FM →AM(MW) → LW¬" each time the Tuner(Band) button is pressed. MANUAL 89:0 Press the **Program** button on If you want to save 89.1 to another preset location(FM2~FM15), press the remote control, FM1 will To preset other stations, flash. If you want to save 89.1 **I** or **▶** , then press follow steps 1~4 again. to FM1, press Program again. **Program** to save it to that location. 89:5 □FM2 89:

To store other Channels

• Follow steps 3~5 again.

• See the previous page.

To tune in a preset station

- ♦ 15 FM stations
- 7 LW stations



Press the Tuner(Band) Select a broadcast station. button. • The selection toggles back When the ► button is pressed, a preset **Auto Station 1** and forth between "FM" "MW" broadcast station is selected. and "LW" each time the Tuner(Band) button is Hold in the ◀◀, ▶▶ button. Automatic searching pressed. begins, and then stops when a station is tuned in. Press the ◀◀ ▶▶ button to tune to the chosen station. The frequency changes incrementally in either direction each time the corresponding button is pressed. Press the **Function** button to Select a broadcast station. select the desired band (FM, Unit MW or LW). Press the **Stop** () button to select the PRESET mode. Then press the I◄◀ ▶▶I button to select a station stored in the preset. See the instructions on the next page to preset stations. Press the **Stop** () button to select the MANUAL mode on the front panel. Then hold in the button to make the unit begin automatically searching for broadcast stations. Press the **Stop** (■) button to select the MANUAL mode on the front panel. Press the | | | | | | | | | | | | | | to the desired station. The frequency changes incrementally in either direction each time the corresponding button is pressed.

Listening to the Radio

the automatic tuning or manual tuning operation.

You can listen to the chosen band (FM, MW or LW broadcast stations) by using either

To Listen in Mono/Stereo



Press the MO/ST button. (FM only)

- The selection toggles back and forth between "STEREO" and "MONO" each time the MO/ST button is pressed.
- In a poor reception areas, select Mono mode for a clear, interference-free broadcast.

Using the RDS (Radio Data System) to receive F **I** stations

RDS allows FM stations to send an additional signal along with their regular program signals For example, the stations send their station names, as well as information about what type of program they broadcast, such as sports or music, etc.

When luned to an FM station which provides the RDS service, the RDS indicator lights up on the display

- Description on RDS function
- 1. PTY (Program Type) Displays the type of programme currently being broadcast
- 2. PS NAME (Program Service Name): Indicates the name of broad dasting station and is composed of 8 characters.
- 3. RT (Radio Text): Decodes the text broadcast by a station (if any) and is composed of maximum 64 characters.
- 4. CT (Clock Time): Decodes the real time clock from the FM frequency.
 - Some stations may not transmit PTY, RT or CTI formation therefore this may not be displayed in all cases.
- 5. TA (Traffic Announcement): When this symbol flashes it shows that the traffic announcement is in progress.

Note

- RDS is not available for MW/LW broadcasts.
 RDS may not operate correctly if the station typed is not transmitting RDS signal properly or if the signal strength is weak.

What information can RDS signals provide?

You can see the RDS signals the station sends on the displa

TO show the RD8 signals

Press RDS DISPLAY while display to an FM station.

Each time you press the button, the display change to show you the following information:

PS (Program Sarving): White searching, "Bs" appears and then the station names will be displayed."NO ps appears no signal is sent.

PTY (Program Type): White searching, "PTY" expears and then the type of the broadcast program will.

by displayed. "NO "appears it no signal is sent.

RT(RadioText): while searching, "RT" bears and then text messages the station sends will be lisolayed. "NO Parappears if no signal is sent.

Frequency: station frequency fon-RDS service)

About Characters show in the display

- pe of splay show PS,PTY,or RT signals,the following haracters are used.

 Splay wing w cannot differentiate upper case and lower case Irtters and always uses upper
- window cannot show accented letters, "A," for instance, may stans for accented "A's" like Aand A."



If searching finishes at once, "PS", "PTY", and "RT" will not appear on the display.







Cautions on Handling and Storing Discs

Small scratches on the disc may reduce sound and picture quality or cause breaks in playback. Be especially careful not to scratch discs when handling them.

Handling and Storing Discs



When you get fingerprints or dirt on the disc, clean it with a mild detergent diluted in water and wipe with a soft cloth.

• When cleaning, wipe gently from the inside to the outside of the disc.



Condensation may form if warm air comes into contact with cold parts inside the player. When condensation forms inside the player, the player may not operate correctly. If this occurs, remove the disc and let the player stand for 1 or 2 hours with the power on.

Disc Storage

Do not keep in direct sunlight



Keep in a cool ventilated area



Keep in a clean Protection jacket. Store vertically.





- Do not allow the discs to become contaminated with dirt.
- Do not load cracked discs or discs that are scratched.

